

08-06-01

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JC845 U.S. PTO

Please type a plus sign (+) inside this box ☐

PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2081.0
First Inventor	DIWU
Title	Derivatives of 1,2-Dihydro-7-Hydroxyquinolines Containing Fused Rings
Express Mail Label No.	EL 770157724 US

JC872 U.S. PTO  
09/922333

08/04/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages 118]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
- Oath or Declaration [Total Pages ]
  - ☐ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS


- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No.: _____
Prior application information: Examiner _____			Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label				or	<input type="checkbox"/> Correspondence address below
Name	23358				
PATENT TRADEMARK OFFICE					
Address					
City	State	Zip Code			
Country	Telephone	Fax			

Name (Print/Type)	Allegra J. Helfenstein	Registration No. (Attorney/Agent)	34,179
Signature	Allegra J. Helfenstein	Date	Aug. 4, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)  
727.**Complete if Known**

Application Number

Filing Date

First Named Inventor

Diwu

Examiner Name

Group Art Unit

Attorney Docket No.

2081.0

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

13-3900

Deposit  
Account  
Name

Molecular Probes, Inc.

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☒
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$)

101 710 201 355 Utility filing fee

106 320 206 160 Design filing fee

107 490 207 245 Plant filing fee

108 710 208 355 Reissue filing fee

114 150 214 75 Provisional filing fee

Fee Paid

355

SUBTOTAL (1) (\$)  
355**2. EXTRA CLAIM FEES**

Total Claims 40 -20\*\* = 20 X \$9 = 180  
 Independent Claims 6 -3\*\* = 3 X \$40 = 120  
 Multiple Dependent =

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20

102 80 202 40 Independent claims in excess of 3

104 270 204 135 Multiple dependent claim, if not paid

109 80 209 40 \*\* Reissue independent claims  
over original patent110 18 210 9 \*\* Reissue claims in excess of 20  
and over original patentSUBTOTAL (2) (\$)  
372

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Small  
Entity Entity  
Fee Fee Fee Fee  
Code (\$) Code (\$) Code (\$)

105 130 205 65 Surcharge - late filing fee or oath

127 50 227 25 Surcharge - late provisional filing fee or  
cover sheet

139 130 139 130 Non-English specification

147 2,520 147 2,520 For filing a request for *ex parte* reexamination112 920\* 112 920\* Requesting publication of SIR prior to  
Examiner action113 1,840\* 113 1,840\* Requesting publication of SIR after  
Examiner action

115 110 215 55 Extension for reply within first month

116 390 216 195 Extension for reply within second month

117 890 217 445 Extension for reply within third month

118 1,390 218 695 Extension for reply within fourth month

128 1,890 228 945 Extension for reply within fifth month

119 310 219 155 Notice of Appeal

120 310 220 155 Filing a brief in support of an appeal

121 270 221 135 Request for oral hearing

138 1,510 138 1,510 Petition to institute a public use proceeding

140 110 240 55 Petition to revive - unavoidable

141 1,240 241 620 Petition to revive - unintentional

142 1,240 242 620 Utility issue fee (or reissue)

143 440 243 220 Design issue fee

144 600 244 300 Plant issue fee

122 130 122 130 Petitions to the Commissioner

123 50 123 50 Processing fee under 37 CFR 1.17(q)

126 180 126 180 Submission of Information Disclosure Stmt

581 40 581 40 Recording each patent assignment per  
property (times number of properties)146 710 246 355 Filing a submission after final rejection  
(37 CFR § 1.129(a))149 710 249 355 For each additional invention to be  
examined (37 CFR § 1.129(b))

179 710 279 355 Request for Continued Examination (RCE)

169 900 169 900 Request for expedited examination  
of a design application

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Name (Print/Type)

Allegra J. Helfenstein

Registration No.

34,179

Complete (if applicable)

Telephone

(541) 465-8300

Signature

Allegra J. Helfenstein

Date

Aug. 4, 2001

**WARNING:** Information on this form may become public. Credit card information should not  
be included on this form. Provide credit card information and authorization on PTO-2038.Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on  
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# PATENT APPLICATION TRANSMITTAL LETTER

To the Assistant Commissioner for Patents:

Transmitted herewith for filing under 35 U.S.C. § 111(a) and 37 CFR § 1.53(b)(1) is the patent application of **Zhenjun Diwu, Jiaxing Liu, Richard P. Haugland, and Kyle R. Gee** entitled **DERIVATIVES OF 1,2-DIHYDRO-7-HYDROXYQUINOLINES CONTAINING FUSED RINGS**.

Enclosed are:


- ☒ 118 pages of written description, claims and abstract
- ☒ 3 sheets of drawings
- ☐ an assignment of the invention to \_\_, including an assignment cover sheet and a certificate under 37 CFR § 3.73(b)
- ☐ executed declaration of the inventors
- ☐ a certified copy of a \_\_\_\_\_ application
- ☐ associate power of attorney
- ☒ other: postcard

**CLAIMS AS FILED**

		NUMBER FILED	NUMBER EXTRA	RATE	FEE
BASIC FEE	(37 CFR § 1.16(a))			\$ .00	\$355
TOTAL CLAIMS	(37 CFR § 1.16(c))	48 - 20 =	* 28	X \$.9	\$252
INDEPENDENT CLAIMS	(37 CFR § 1.16(b))	6 - 3 =	*3	X \$40	\$ 120
MULTIPLE DEPENDENT CLAIM PRESENT		(37 CFR § 1.16(d))		\$	
*NUMBER EXTRA MUST BE ZERO OR LARGER					
If applicant has small entity status under 37 CFR §§ 1.9 and 1.27, ENTITY then divide total fee by 2, and enter amount here. TOTAL				SMALL	\$727

- ☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 13-3900 as described below. I have enclosed a duplicate copy of this sheet
- ☒ Charge the amount of \$ 727. as filing fee.
- ☒ Credit any overpayment and charge any additional filing fees required under CFR §§ 1.16 and 1.17.

CFR §§ 1.16  
Aug. 4, 2001  
Date

  
Signature  
Allegra Helfenstein  
Registration No. 34,179  
Molecular Probes, Inc.  
P.O. Box 22010  
Eugene, OR 97402-0469

### CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label



**23358**

~~PATENT TRADEMARK OFFICE~~

CERTIFICATE OF MAILING BY EXPRESS MAIL

I HEREBY CERTIFY THAT THIS PAPER AND THE DOCUMENTS REFERRED AS BEING ATTACHED OR ENCLOSED HERewith ARE BEING FILED UTILIZING EXPRESS MAIL POST OFFICE TO ADDRESSEE SERVICE OF THE UNITED STATES POST OFFICE AND ARE BEING DEPOSITED AS EXPRESS MAIL WITH THE UNITED STATES POSTAL SERVICE ON August 4, 2001 WITH MAILING LABEL NUMBER EL 770157724 US IN AN ENVELOPE ADDRESSED TO: BOX PATENT APPLICATION, COMMISSIONER FOR PATENTS, WASHINGTON DC 20231

*Allegre Helfenstein*  
Allegre Helfenstein

REG. NO. 34,179